EPSON
EXCEED YOUR VISION

DS-70000/DS-60000/DS-50000

User's Guide

Guide to the Product Parts

Check this section to identify the parts of your product.

Placing Originals on the Product

Follow the steps here to place your originals on the product.

How to Scan

Follow the step-by-step instructions here to scan your originals using any of the available scanning methods.

Using the Network Interface Panel

Explains network settings and how to scan.

Software Information

Follow the introductions here for driver and application software that comes with your product.

Maintenance

Follow the guidelines here to maintain and transport your product.

Solving Problems

If you have a problem using your product or its software, check here for solutions.

Technical Specifications

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- Copyright and Trademarks
- Operating System Versions

Guide to the Product Parts

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Restrictions on copying

In this document, warnings, cautions, important, and notes indicate the following:

Warnings

must be followed to avoid serious bodily injury.

Cautions

must be followed carefully to avoid bodily injury.

Important:

must be observed to avoid damage to your equipment.

Notes

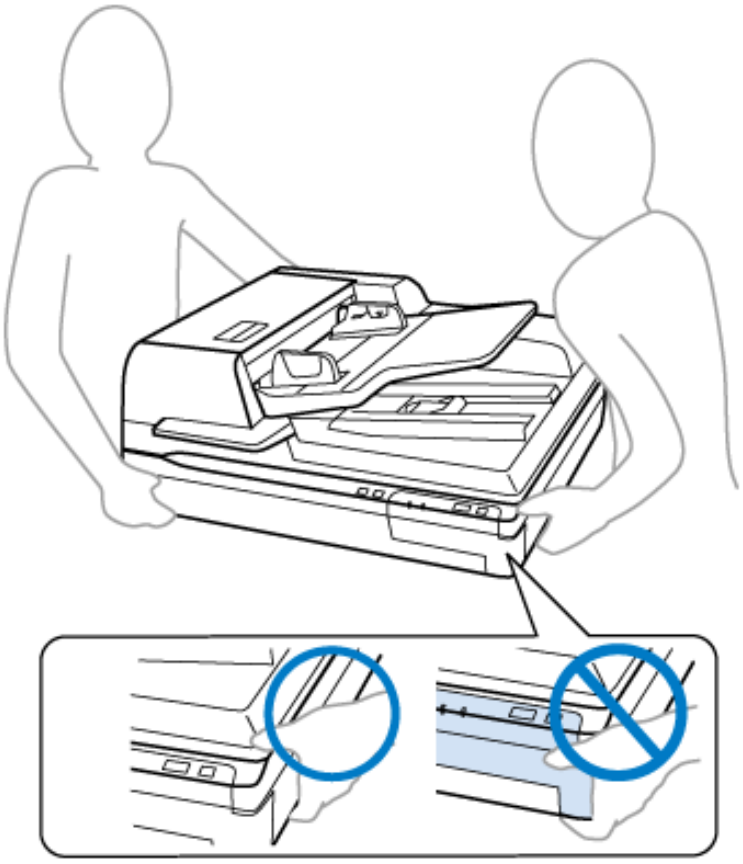
contain important information and useful tips on the operation of this product.

Read all these instructions, and follow all warnings and instructions marked on the product.

- Place the product on a flat, stable surface that extends beyond the base of the product in all directions. If you place the product by the wall, leave more than 10 cm (4 inches) between the back of the product and the wall. The product will not operate properly if it is tilted at an angle.
- Avoid places subject to dust, shocks, or vibrations.
- Place the product close enough to the computer for the interface cable to reach it easily. Do not place or store the product or the power cord outdoors, near excessive dirt or dust, water, heat sources, or in locations subject to shocks, vibrations, high temperature or humidity, direct sunlight, strong light sources, or rapid changes in temperature or humidity.
- Do not use with wet hands.
- Place the product near an electrical outlet where the adapter can be easily unplugged.
- The power cord should be placed to avoid abrasions, cuts, fraying, crimping, and kinking. Do not place objects on top of the cord and do not allow the power cord to be stepped on or run over. Be particularly careful to keep the cord straight at the end.
- Use only the power cord that comes with your product. Using any other adapter could cause fire, electrical shock, or injury.
- The power cord is designed for use with the product with which it was included. Do not attempt to use it with other electronic devices unless specified.
- Use only the type of power source indicated on the product's label, and always supply power directly from a standard domestic electrical outlet.
- When connecting this product to a computer or other device with a cable, ensure the correct orientation of the connectors. Each connector has only one correct orientation. Inserting a connector in the wrong orientation may

damage both devices connected by the cable.

- Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off.
- If you use an extension cord with the product, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the wall outlet's ampere rating.
- Never disassemble, modify, or attempt to repair the product, or product option by yourself except as specifically explained in the product's guides.
- Do not insert objects into any opening as they may touch dangerous voltage points or short out parts. Beware of electrical shock hazards.
- If damage occurs to the plug, replace the cord set or consult a qualified electrician. If there are fuses in the plug, make sure you replace them with fuses of the correct size and rating.
- Unplug the product and the power cord, and refer servicing to qualified service personnel under the following conditions: The power cord or plug is damaged; liquid has entered the product; the product or the power cord has been dropped or the case has been damaged; the product or the power cord does not operate normally or exhibits a distinct change in performance. (Do not adjust controls that are not covered by the operating instructions.)
- Unplug the product and the power cord before cleaning. Clean with a damp cloth only. Do not use liquid or aerosol cleaners.
- If you are not going to use the product for a long period, be sure to unplug the power cord from the electrical outlet.
- After replacing consumable parts, dispose of them correctly following the rules of your local authority. Do not disassemble them.
- Because the product is heavy, one person should never attempt to lift or carry it alone. Two people should lift and carry the product.



WARNING for United States users:

The cords included with this product contain chemicals, including lead, known to the State of California to cause birth defects or other reproductive harm. **Wash hands after handling.** (provided in accordance with Proposition 65 in Cal. Health & Safety Code § 25249.5 et seq)

Restrictions on copying

Observe the following restrictions to ensure responsible and legal use of your product.

Copying of the following items is prohibited by law:

- Bank bills, coins, government-issued marketable securities, government bond securities, and municipal securities
- Unused postage stamps, pre-stamped postcards, and other official postal items bearing valid postage
- Government-issued revenue stamps, and securities issued according to legal procedure

Exercise caution when copying the following items:

- Private marketable securities (stock certificates, negotiable notes, checks, etc.), monthly passes, concession tickets, etc.
- Passports, driver's licenses, warrants of fitness, road passes, food stamps, tickets, etc.

Note:

> Copying these items may also be prohibited by law.

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libtiff

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CPD-35536

Operating System Versions

In this manual, the following abbreviations are used.

Windows refers to Windows 7, Vista, XP, and XP x64.

- Windows 7 refers to Windows 7 Home Basic, Windows 7 Home Premium, Windows 7 Professional, and Windows 7 Ultimate.
- Windows Vista refers to Windows Vista Home Basic Edition, Windows Vista Home Premium Edition, Windows Vista Business Edition, Windows Vista Enterprise Edition, and Windows Vista Ultimate Edition.
- Windows XP refers to Windows XP Home Edition, Windows XP Professional x64 Edition, and Windows XP Professional.

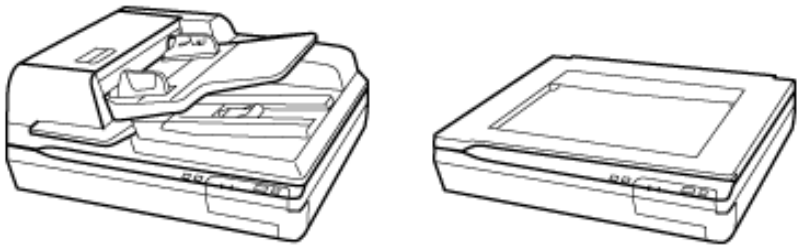
Macintosh refers to Mac OS X.

- Mac OS X refers to Mac OS X 10.5.x or later.

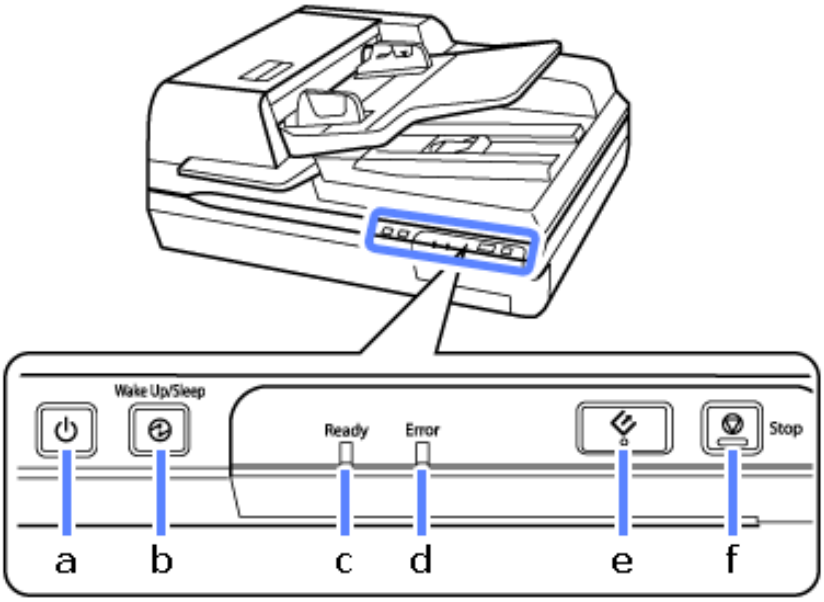
Product Parts

Note:

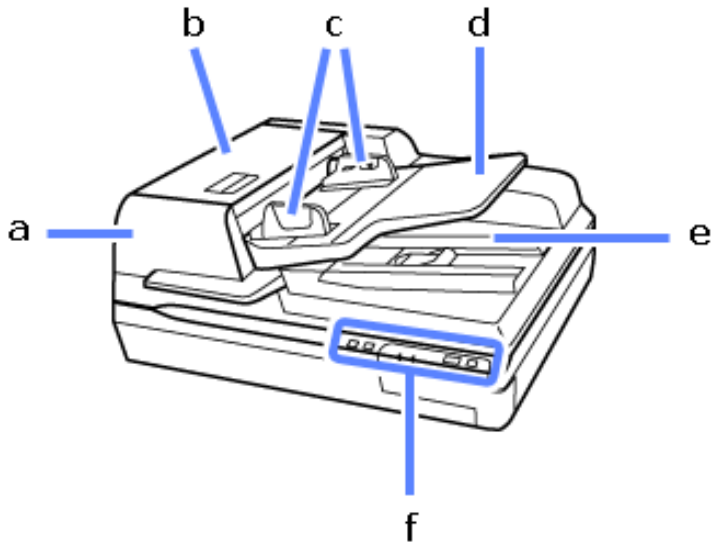
- The illustrations used in this guide are of the Auto Document Feeder scanner (shown on the left).



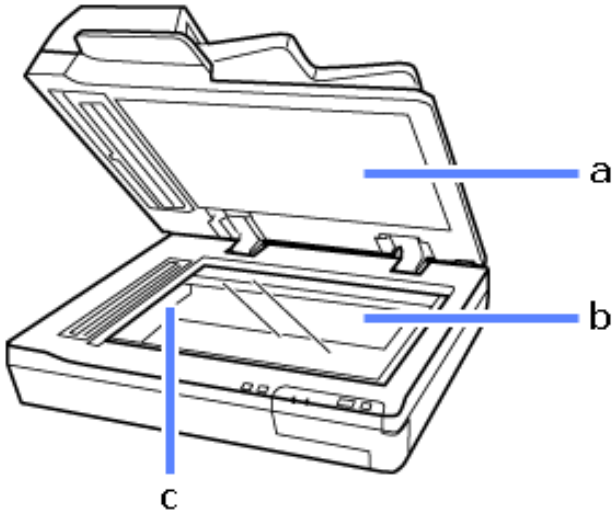
- Use all the items that came with your product.



a. power button
b. Wake Up/Sleep button
c. Ready light
d. Error light
e. start button
f. Stop button



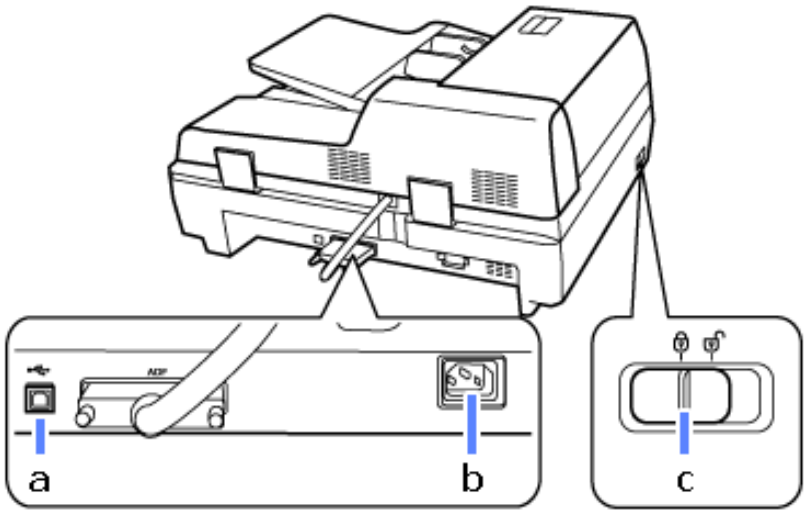
a. Automatic Document Feeder (ADF)
b. ADF cover
c. edge guides
d. ADF input tray
e. ADF output tray
f. control panel



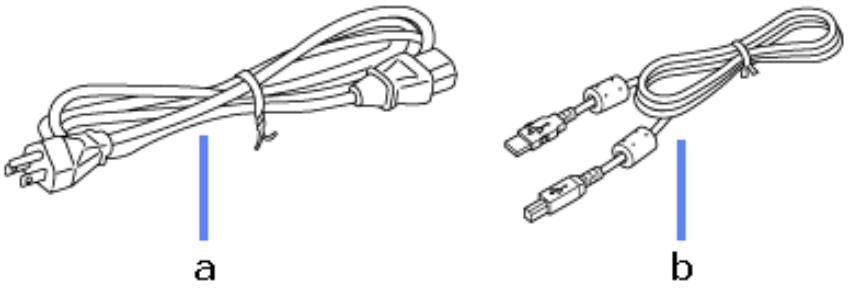
a. document cover
b. document glass
c. carriage (in the document glass)

Note:

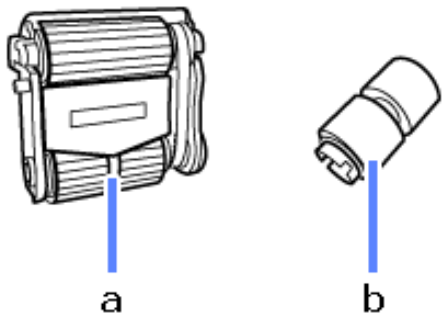
Do not remove the document mat located on the underside of the document cover.



a. USB port
b. AC inlet
c. transportation lock lever



a. Power cord
b. USB cable



a. Pickup roller
b. Separation roller

Lights

The Status lights indicate whether the product is operating normally.

Light	Indicator Status	Meaning
Ready	On	Ready to scan images.
	Flashing	Initializing or scanning.
Ready and Error	Flashing	Updating firmware.
Error	On	An error has occurred. Problems Indicated by Messages on the LCD Panel or Status Light
	Flashing	Recovering firmware.
	On	The product is in sleep mode. Press the button to wake the product.
(All)	Off	The product is off.

Button

The product has four buttons for scanning operations.

Before using the product buttons, make sure you have installed your scanning software.

Button	Function
button	Turns the product on if pressed once. Press again to turn the product off.
button	Changes to Sleep mode. Press again to return the scanner to ready status.
button	Lets you start scan.
button	Cancels scanning.

You can customize button controls from Document Capture Pro (for Windows) and Epson Event Manager (for Mac OS X).

Document Capture Pro (for Windows)

Epson Event Manager (for Mac OS X)

Loading Documents in the Automatic Document Feeder (ADF)

Document specifications
Loading documents in the ADF

You can load your original documents in the ADF to scan multiple pages quickly.

Document specifications

Only load documents that meet the following specifications into the product.

Paper size	Measurements
A3	297 x 420 mm (11.7 x 16.5 inches)
B4	257 x 364 mm (10.1 x 14.3 inches)
A4	210 x 297 mm (8.3 x 11.7 inches)
Letter	215.9 x 279.4 mm (8.5 x 11 inches)
Legal	215.9 x 355.6 mm (8.5 x 14 inches)
B5	182 x 257 mm (7.2 x 10.1 inches)
A5	148.5 x 210 mm (5.8 x 8.3 inches)
B6	128 x 182 mm (5.0 x 7.2 inches)
A6 (Portrait)	105 x 148.5 mm (4.1 x 5.8 inches)

Size	Width: 68 to 297 mm (2.7 to 11.7 inches) Length: 120 to 2540 mm (4.7 to 100 inches)
Weight	Thickness (All sizes): 35g/m^2 to 128g/m^2 Less than A6: 60g/m^2 to 190g/m^2
Paper type	Standard paper, High-quality paper, Recycled paper

Do not load documents with the following conditions:

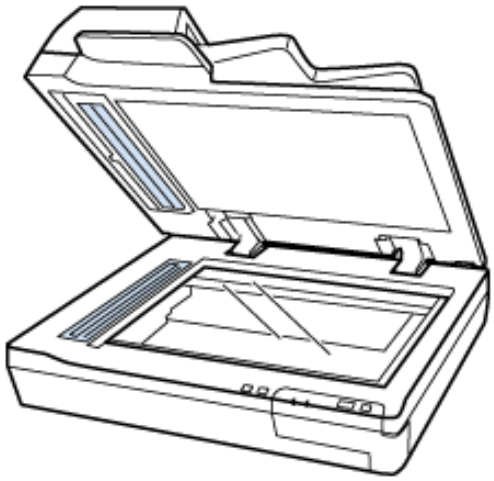
- The ink is wet.
- The document is ripped, wrinkled, or curled.
- The document has staples, paper clips, or other objects attached to it; these may damage the feeder mechanism.
- The document has folds or multiple pages are stuck together.
- The document has cut-out areas.
- The document is a multi-part form or bound.
- The document has rear carbon coating.
- The document is not paper. For example, if you have loaded a transparent file holder.
- The document is transparent.
- The document has been created using glossy paper.

Loading documents in the ADF

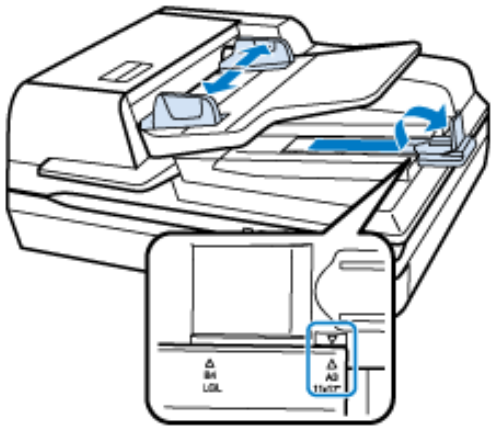
Loading documents in the ADF

Important:

- Do not feed photographs or valuable original artwork into the ADF. Misfeeding may wrinkle or damage the original. Scan these documents on the document glass instead.
- Remove any documents from the document glass. Make sure there is no dust on the glass before loading documents in the ADF.



1 Slide the edge guides on the ADF input tray all the way outward.



2 Place the first page of your document in the ADF input tray with the printed side facing up and the top edge facing into the feeder. Slide the paper into the feeder until it meets resistance. Then slide the edge guides over to the edge of the paper.

Important:

- Do not load paper above the line just under the ▼ arrow mark on the edge guides.
- When loading a stack of paper, fan the paper to remove any paper powder, tap the edges of the paper on a flat surface to align the sheets, and then load it correctly.
- Do not load additional documents while the current document is being scanned.

Document Capture Pro (for Windows)

Epson Scan Driver (for Mac OS X)

Top

Placing Documents on the Document Glass

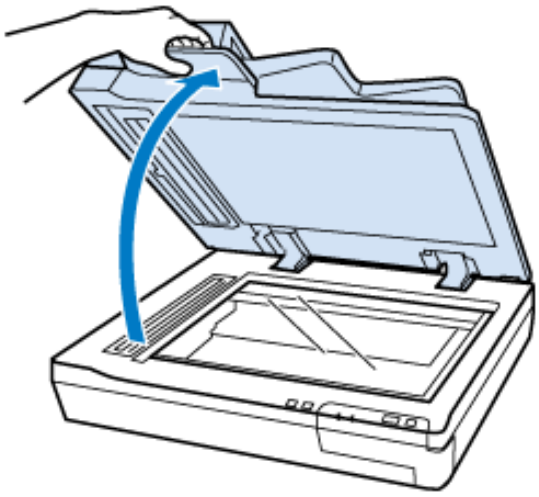
Important:

Do not place heavy objects on the document glass and do not press the glass with too much force.

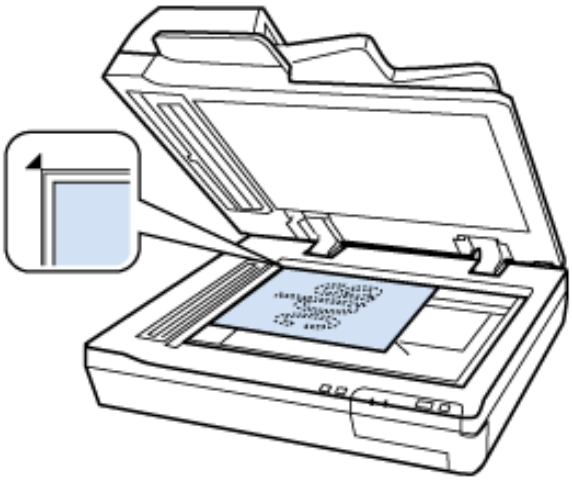
Note:

The illustrations used in this guide are of the Auto Document Feeder scanner.

1 Open the document cover.



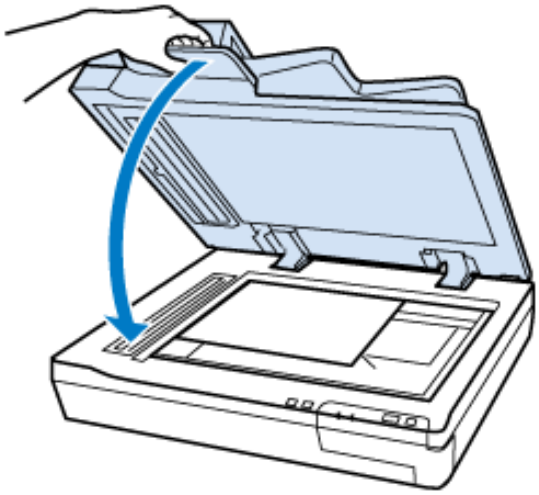
2 Place your document facedown on the document glass. Make sure the top of the document is against the left edge and centered on the ▼ mark.



Note:

If you are scanning multiple documents at once, position each photo at least 20 mm (0.8 inch) apart from the others.

3 Close the document cover gently so that your original does not move.



Important:

Make sure you use the handle when opening or closing the ADF.

Note:

- Do not leave photos on the document glass for an extended period of time as they may stick to the glass.
- Always keep the document glass clean.
- You can place documents up to 15 mm (0.6 inch) thick.

Document Capture Pro (for Windows)

Epson Scan Driver (for Mac OS X)

Placing Thick Documents on the Document Glass

Important:

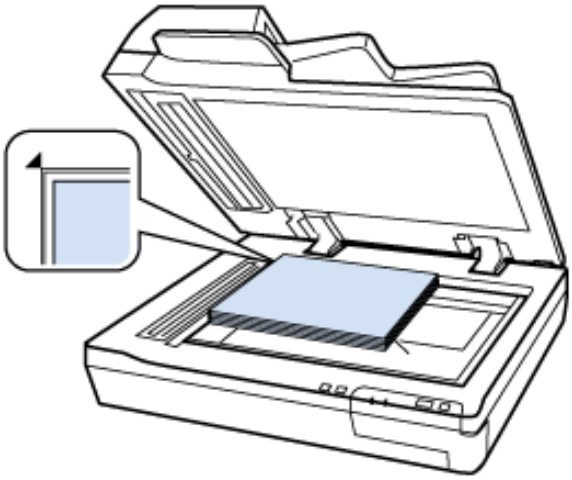
Do not place heavy objects on the document glass and do not press the glass with too much force.

Note:

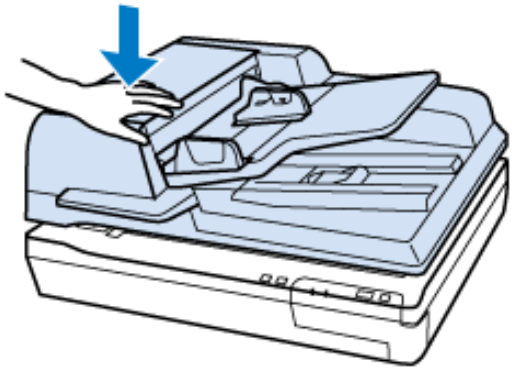
The illustrations used in this guide are of the Auto Document Feeder scanner.

Follow these steps to scan a large or thick document on the document glass:

1. Place a large or thick document facedown on the document glass. Make sure the top of the document is against the left edge and centered on the ▼ mark.



2. Close the document cover and hold it down firmly as you scan.



Note:

- When scanning with the document cover closed, gently press down on your document to flatten it.
- If your document is very thick or curled at the edges, cover the edges with paper to block external light as you scan.
- You can place documents up to 15 mm (0.6 inch) thick.

When scanning a book, you can perform Book Spine Correction (Windows only) using the Epson Scan driver's function. For more information, see the Epson Scan help.

Document Capture Pro (for Windows)

Epson Scan Driver (for Mac OS X)

Scanning from the Button

1. Place your original(s).

   Loading Documents in the Automatic Document Feeder (ADF)

   Placing Documents on the Document Glass

   Placing Thick Documents on the Document Glass

2. Press the button.

The scanned image is saved to the folder you specified.

Scanning Using Document Capture Pro (for Windows)

This section explains basic scanning procedures using Document Capture Pro.

See help for details on Document Capture Pro.

1. Place your original(s).

   Loading Documents in the Automatic Document Feeder (ADF)

   Placing Documents on the Document Glass

   Placing Thick Documents on the Document Glass

2. Start Document Capture Pro.

   Document Capture Pro (for Windows)

3. Click **Scan**.

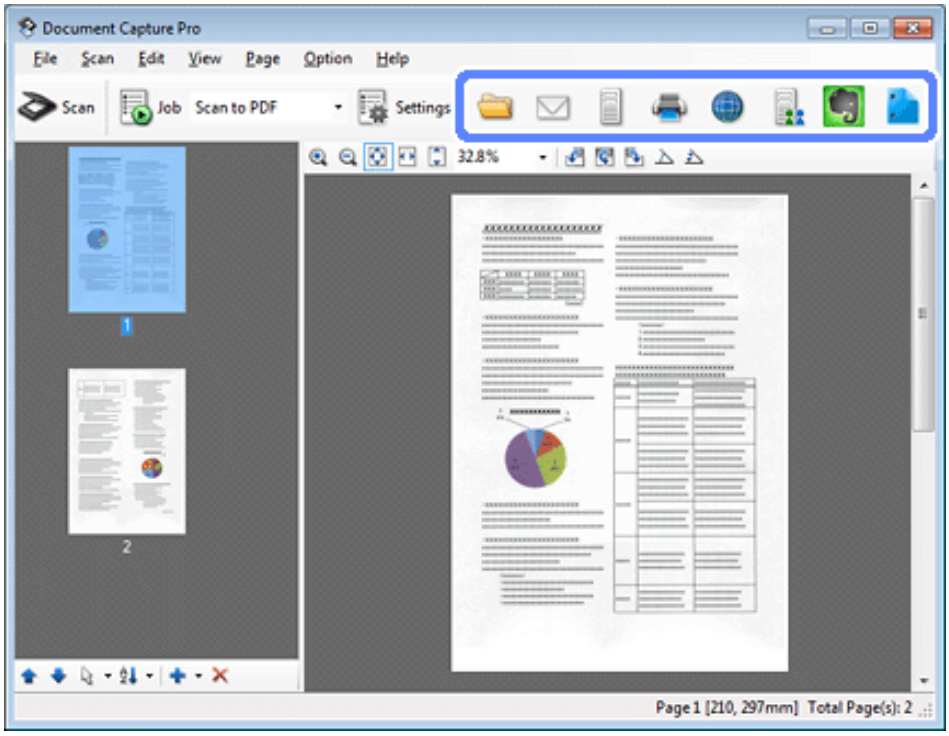
4. Select settings in the Main Settings window, and then click **Scan**.

   Click **Detailed Settings** to make more detailed image adjustments using the “Epson Scan” scanner driver.

   The document is scanned and displayed as an image in Document Capture Pro.

5. Check the scanned images (pages), and then edit as needed.

6. When you have finished checking the image, click the destination icon.



7 Make settings on the Save As window or the Print Settings window, and then click **OK**.

Note:

Selecting **Apply job separation** on the Save As window activates the function to sort the documents into separate files by detecting blank pages or barcodes in your scanned images.

The scanned image is saved to the folder you specified.

Scanning Using Epson Scan (for Mac OS X)

Office Mode lets you quickly scan text documents without previewing your image.

This section introduces scanning methods in Office Mode. You can use other modes as necessary.

See help for details on Epson Scan.

Note:

Do not use the Fast User Switching function while using your scanner.

1 Place your original(s).

Loading Documents in the Automatic Document Feeder (ADF)

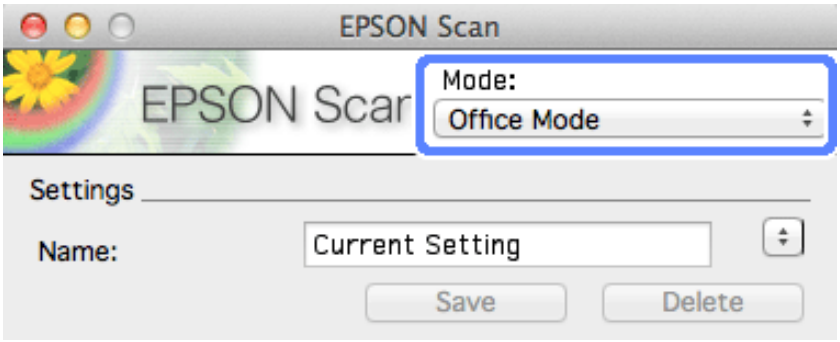
Placing Documents on the Document Glass

Placing Thick Documents on the Document Glass

2 Start Epson Scan.

How to start

3 Select **Office Mode** in the Mode list.



4 Select the Document Source setting.

5 Select the size of your original as the Size setting.

6 Select the Image Type setting.

7 Select the Resolution setting.

8 Click **Preview**.

The Preview window appears and displays your image.

Important:

Automatic Document Feeder (ADF):
The first page is ejected and a preview image is displayed in the preview window. Reload the ejected page into the ADF and then scan.

9 Adjust brightness, and other image quality settings.

See help for details on Epson Scan.

10 Click **Scan**.

11 In File Save Settings window, select the Type setting and click **OK**.

Note:

If the **Show this dialog box before next scan** check box is not selected, Epson Scan starts scanning immediately without displaying the File Save Settings window.

The scanned image is saved to the folder you specified.

Scanning to SharePoint or Cloud Service (for Windows)

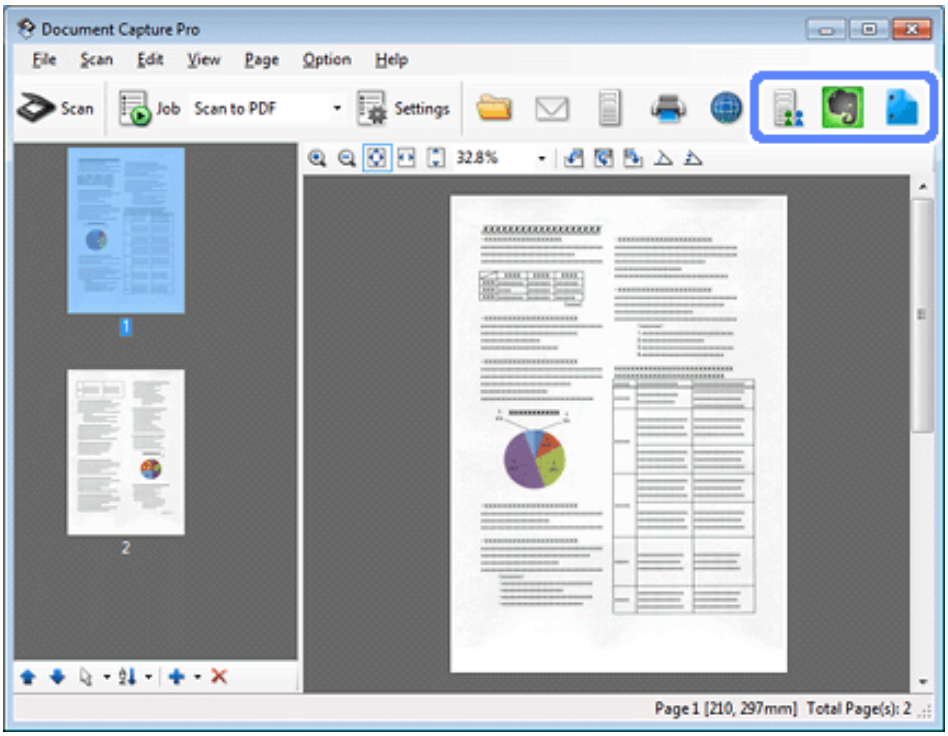
You can upload scanned images to a SharePoint Server or Cloud Service.

1. Start Document Capture Pro and scan your document.

   Scanning Using Document Capture Pro (for Windows) steps 1 to 5

2. On the Main window of Document Capture Pro, click the destination icon.

   See help for details on Document Capture Pro.



3. Make settings on the Save As window, and then click **OK**.

4. On the settings window, enter the server's **Address**, **User Name**, and **Password**, and then click **OK**.

The image is uploaded to the target server.

Scanning Multiple Documents to Separate Files (for Windows)

This function sorts documents into separate files by using a variety of detection methods such as blank pages or barcodes inserted between the scanned images.

1. Load a document into the Automatic Document Feeder (ADF) and include indicators, such as blank pages, between the pages where you want to separate the data.
2. Start Document Capture Pro and scan your document.

   Scanning Using Document Capture Pro (for Windows) steps 2 to 6
3. Select **Apply job separation** on the Save As window, and then click **Separation Settings**.
4. Select the separation method and the method for specifying the folder name on the Separation Settings window, and then click **OK**.

   See help for details on Document Capture Pro.
5. Make other setting on the Save As window, and then click **OK**.

Scanned images are saved separately based on the separation method selected.

Assigning a Specified Scanning Setting to a Program

For Windows
For Mac OS X

By registering a specific scanning operation to a scanner button, you can perform that operation by simply pressing the scanner button.

In Windows, you can also register settings, such as separator processing, save format, and save as/ destination.

For Windows

1. Start Document Capture Pro.

   Document Capture Pro (for Windows)

2. Click **Settings** from the toolbar at the top of the window.
3. Click **Add** on the Job Management window.
4. Make settings for **Job Name**, **Scan**, **Output**, and **Destination** on the Job Settings window, and then click **OK**.

   See help for details on Document Capture Pro.

5. Click **Event Settings** on the Job Management window.
6. Click the arrow in the list next to the action name, then select the action you want to assign. Then click **OK**.
7. Click **OK** on the Job Management window.

Scanning from the Button

Top

For Mac OS X

In Mac OS X, a series of registered operations is known as an Action or a Job.

1. Start Epson Event Manager.

   Epson Event Manager (for Mac OS X)

2 On the window displayed, select the scanner you want to use.

3 Click the arrow in the list next to the action name, then select the action you want to assign. Then click **Close**.

Note:

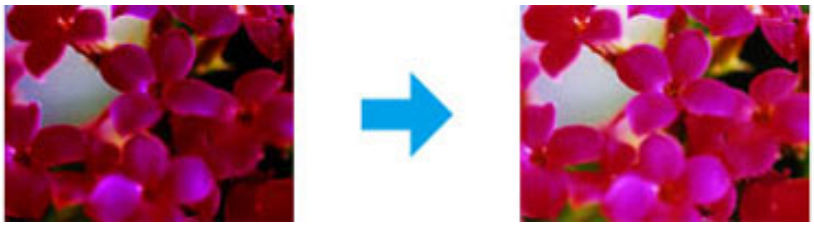
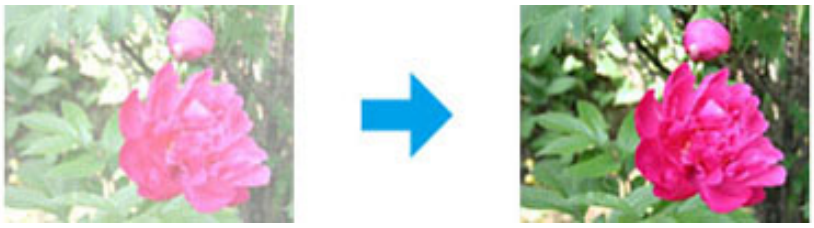
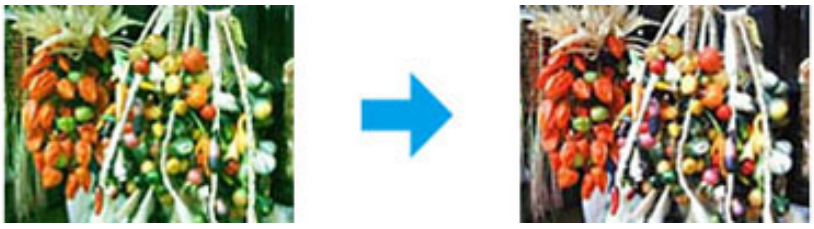
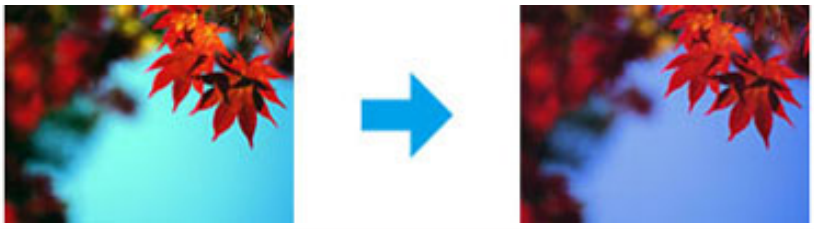
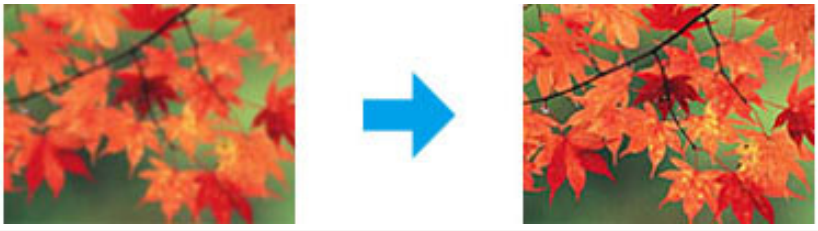
- Frequently used actions are registered in advance in Epson Event Manager.
- You can also customize the action by clicking **Make Job Settings**.

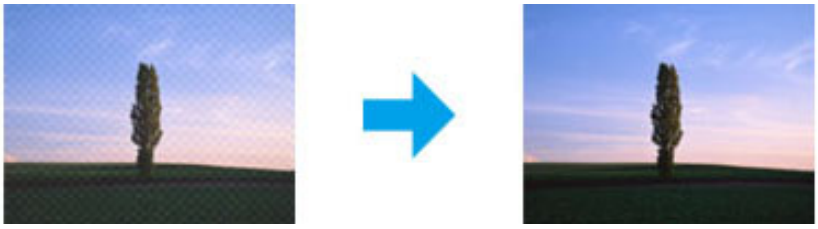
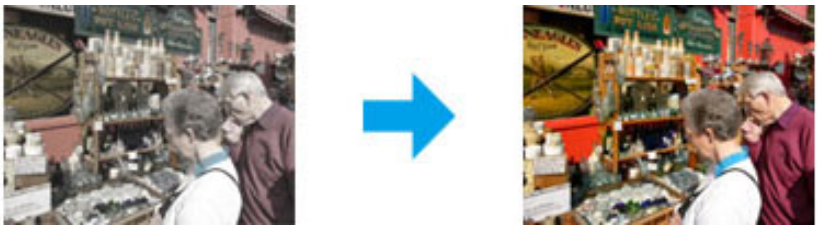
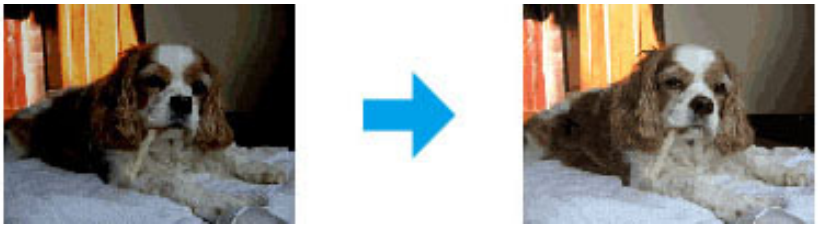
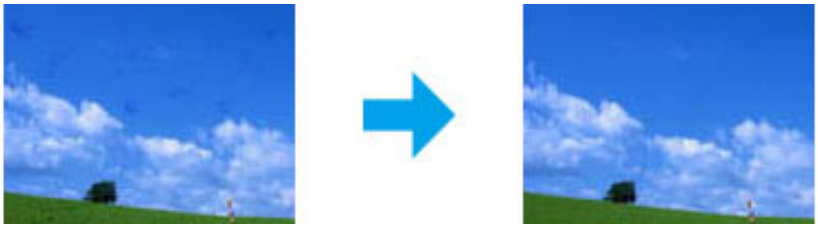
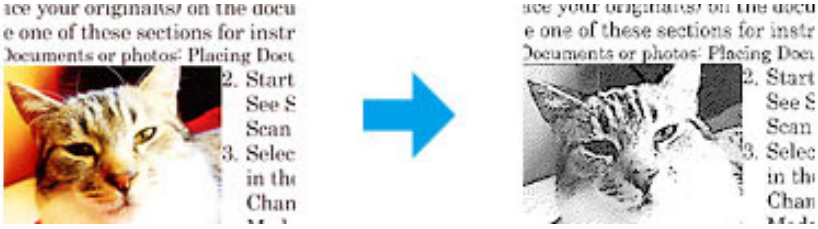
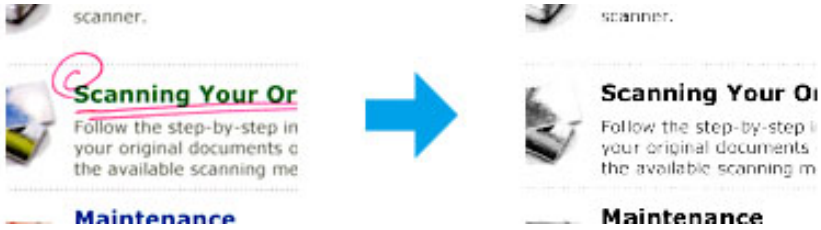
Scanning from the Button

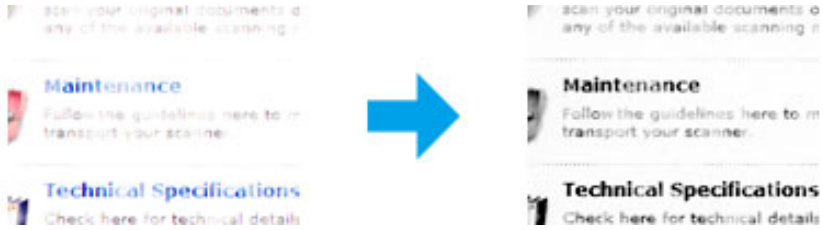
Top

Adjusting the Scanned Image

Epson Scan offers a variety of settings for improving color, sharpness, contrast, and other aspects affecting image quality.

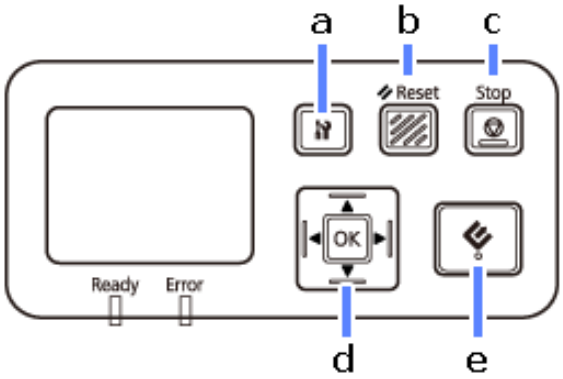
Histogram	Provides a graphical interface for adjusting highlight, shadow, and gamma levels individually. 
Tone Correction	Provides a graphical interface for adjusting tone levels individually. 
Image Adjustment	Adjusts brightness and contrast and the balance of red, green, and blue colors in the overall image. 
Color Palette	Provides a graphical interface for adjusting mid-tone levels, such as skin tones, without affecting the highlight and shadow areas of the image. 
Unsharp Mask	Sharpens the edges of image areas. 

Descreening	A ripple or cross-hatch pattern (known as moiré) may appear in a scanned image of a printed document. 
Color Restoration	Restores the colors in faded photos automatically. 
Backlight Correction	Removes shadows from photos that have too much background light. 
Dust Removal	Removes dust marks from your originals automatically. 
Text Enhancement	Enhances text recognition when scanning text documents.
Auto Area Segmentation	Scans text in Black&White and applies grayscale to any images in the document. 
Dropout	Scans without the selected color. 

Color Enhance	Enhances the selected color.  Maintenance Technical Specifications Check here for technical details Maintenance Technical Specifications Check here for technical details

See help for details on Epson Scan.

Panel parts



	Button	Function
a	Setting button	Make product and network settings, or perform maintenance.
b	Reset button	Resets the panel to the initial screen.
c	Stop button	Cancels scanning.
d	OK/Arrow button	Use the arrow buttons to select an item, and then press **OK** to confirm the selection.
e	start button	Starts scanning. In a network environment, the button on the scanner works the same way as clicking **Scan** in the Document Capture Pro or Epson Scan window.

Installing the Network Interface Panel

Epson Scan works with the optional Network Interface Panel (B12B808411) to enable direct control of all of the features of your scanner in a network environment.

You can download the User's Guide for the Network Interface Panel from the following website.
<http://support.epson.net/netscan/>

After setting up the Network Interface Panel.

Setting Up Client Computers with Epson Scan Settings

Setting Up Client Computers with Epson Scan Settings

Make sure your scanner and Network Interface Panel are turned on and working properly. Then follow the steps below to use the Epson Scan Settings program to enable network scanning.

Note for Windows:

Log in as a user with administrator's authority, and then install. If you are asked to enter an administrator's password, enter the password, and then continue with the operations.

Note for Mac OS X:

- Do not use the Fast User Switching function while using your scanner.
- You must log on to a Computer Administrator account.

1. Obtain the IP address or host name of the Network Interface Panel from your network administrator.

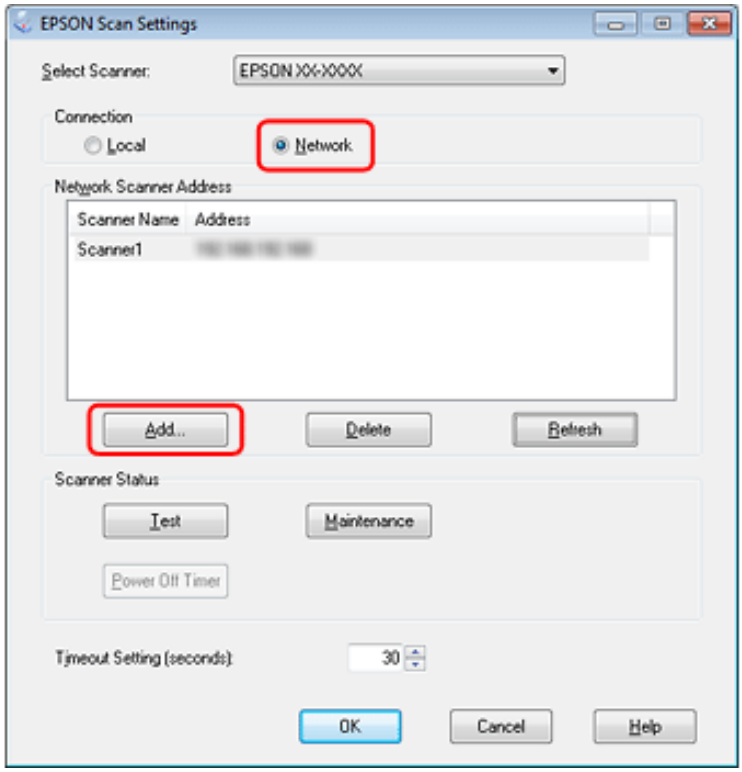
2. Start Epson Scan Settings.

   Windows:
   Start > **All Programs** or **Programs** > **EPSON** > **EPSON Scan** > **EPSON Scan Settings**

   Mac OS X:
   Select **Applications** > **EPSON Software** > **EPSON Scan Settings**.

3. Select your scanner from the **Select Scanner** drop-down list.

4. Select **Network**, then click **Add**.



5 In the Add window, choose the Network Interface Panel's IP address under Search for addresses, or select **Enter address** and type in the address. Then click **OK**.

6 In the Epson Scan Settings window, click **Test** to check the connection. If everything works properly, you see a successful connection message appears.

7 Click **OK** to save the settings.

Scanning Over a Network

For Windows
For Mac OS X

Note:

You must set the IP address for your Network Interface Panel before you can scan using it.

Setting Up Client Computers with Epson Scan Settings

For Windows

1. Turn on your scanner and the client computer.
2. Place your original(s) on the document glass or Automatic Document Feeder (ADF).
3. Start Document Capture Pro.

   Document Capture Pro (for Windows)
4. Click **Scan** on the Document Capture Pro Main window.
5. Adjust settings in the Main Settings window, and then click **Scan**.

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For Mac OS X

1. Turn on your scanner and the client computer.
2. Place your original(s) on the document glass or ADF.
3. Start Epson Scan.

   Epson Scan Driver (for Mac OS X)
4. Select your desired mode.
5. In the Epson Scan window, adjust settings as necessary.

6 Click **Scan**.

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Scanning from the Panel

Setup a Job in advance.

Assigning a Specified Scanning Setting to a Program

1. Turn on your scanner and the client computer.
2. Place your original(s) on the document glass or Automatic Document Feeder (ADF).
3. Press the **OK** button on the panel.

   The scanner searches for an available Windows-based computer running Document Capture Pro.
4. Select the computer you want to send the data to, and then press the **OK** button.

   If a group is set for the scanner, you need to set the same group on the computer if you want to display it on the panel.
5. Enter the password.

   If the password entry screen is not displayed, go to the next step.
   See help for details on Document Capture Pro.
6. Select a job, and then press the **OK** button.
7. Check the settings, and then press the button on the scanner.

Document Capture Pro (for Windows)

How to start
How to access the help

This software allows you to perform various tasks with a scanned image immediately such as sending it by e-mail, printing, or uploading to a server. This lets you assign any of the product's buttons to open a scanning program. You can also save frequently used scanning settings.

How to start

Select the start button icon or **Start** > **All Programs** or **Programs** > **Epson Software** > **Document Capture Pro**.

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How to access the help

Select **Help** from the menu at the top right of the main window, and then click **Document Capture Pro Help**.

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Epson Scan Driver (for Mac OS X)

How to start
How to access the help

This software lets you control all aspects of scanning. You can use this as a standalone scanning program or use it with another TWAIN-compliant scanning program.

How to start

Select **Applications** > **Epson Software** > **EPSON Scan**.

Top

How to access the help

Click the **Help** button on the Epson Scan driver.

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Other Scanning Software

Epson Event Manager (for Mac OS X)
ABBYY FineReader

Epson Event Manager (for Mac OS X)

This lets you assign any of the product buttons to open a scanning program. You can also save the scan settings that frequently used. It makes scanning your projects even quicker.

How to start

Select **Applications** > **Epson Software**, and double-click the **Event Manager** icon.

How to access the help

Select Help from the menu, and then click **Epson Event Manager Help**.

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ABBYY FineReader

This OCR (Optical Character Recognition) software lets you scan a document and convert the text into data that you can edit with a word processing program.

OCR software cannot recognize or has difficulty recognizing the following types of documents or text.

- Handwritten characters
- Items that have been copied from other copies
- Faxes
- Text with tightly spaced characters or line pitch
- Text that is in tables or underlined
- Cursive or italic fonts, and font sizes less than 8 points
- Documents with folds or wrinkles

See ABBYY FineReader help for detailed instructions.

Note:

ABBYY FineReader may not be included in some countries.

How to start

- **Windows:**
  Select the start button or **Start** > **All Programs** or **Programs** > **ABBYY FineReader** folder > **ABBYY FineReader**.
- **Mac OS X:**
  Select **Applications** and double-click **ABBYY FineReader**.

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Checking and Installing Your Software

Checking the software installed on your computer

Checking the software installed on your computer

To use the functions described in this User's Guide, you need to install the following software.

- Epson Driver and Utilities
- Document Capture Pro (for Windows)
- Epson Event Manager (for Mac OS X)

Follow the steps below to check that the software is installed on your computer.

For Windows

1. Do one of the following:

   Windows 7 and Windows Vista: Click the start button and select **Control Panel**.

   Windows XP: Click **Start** and select **Control Panel**.

2. Do one of the following:

   Windows 7 and Windows Vista: Click **Uninstall a program** from the Programs category.

   Windows XP: Double-click the **Add or Remove Programs** icon.

3. Check the list of currently installed programs.

For Mac OS X

1. Double-click **Macintosh HD**.
2. Double-click the **Epson Software** folder in the Applications folder and check the contents.

Note:

The Applications folder contains software provided by third parties.

Installing the software

Insert the software disk that came with your product and select the software you want to install when

prompted.

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Uninstalling Your Software

For Windows
For Mac OS X

You may need to uninstall and then reinstall your software to solve certain problems or if you upgrade your operating system.

For Windows

Note:

- For Windows 7 and Windows Vista, you need an administrator account and password if you log on as a standard user.
- For Windows XP, you must log on to a Computer Administrator account.

1. Turn off the product.
2. Disconnect the product's interface cable from your computer.
3. Display the software list.

   Windows 7 and Windows Vista: Click the start button and select **Control Panel**. Click **Uninstall a program** from the Programs category.

   Windows XP: Click **Start** and select **Control Panel**. Double-click the **Add or Remove Programs** icon.
4. Select the software you want to uninstall from the list displayed.
5. Uninstall the software.

   Windows 7: Click **Uninstall/Change**.

   Windows Vista: Click **Uninstall/Change**, and then click **Continue** in the User Account Control window.

   Windows XP: Click **Change/Remove**.
6. When the confirmation window appears, click **Yes**.
   Follow the on-screen instructions.

   In some cases, a message may appear to prompt you to restart your computer. If so, make sure **I want to restart my computer now** is selected and click **Finish**.

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For Mac OS X

Note:

> To uninstall applications you must log on to a Computer Administrator account. You cannot uninstall programs if you log on as a Limited account user.

To uninstall Epson Scan, insert your Epson CD. Open the **EPSON** folder, then open the **Common** folder. Double-click **Epson Scan Uninstaller** and follow the instructions to remove the driver.

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Cleaning the Product

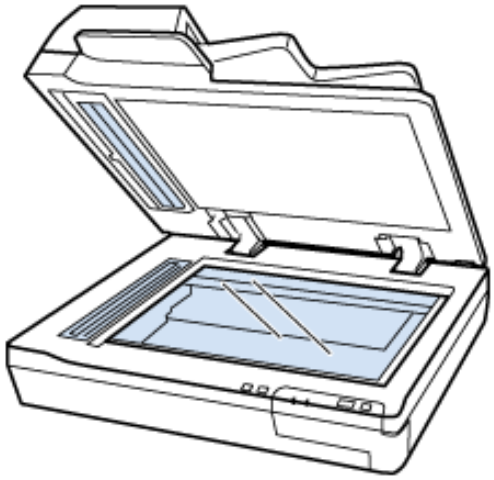
To keep your product operating at its best, clean it periodically using the following procedure.

Important:

- Do not press the glass surface of the document glass with any force.
- Be careful not to scratch or damage the glass surface of the document glass, and do not use a hard or abrasive brush to clean it. A damaged glass surface can decrease the scan quality.
- Never use alcohol, thinner, or corrosive solvent to clean the product. These chemicals can damage the product components and the case.
- Be careful not to spill liquid into the product mechanism or electronic components. This could permanently damage the mechanism and circuitry.
- Do not spray lubricants on the product.
- Never open the product case.

1. Turn off the product.
2. Unplug the power cord from the product.
3. Clean the outer case with a cloth dampened with mild detergent and water.
4. If the glass surface gets dirty, clean it with a soft dry cloth. If the glass surface is stained with grease or some other hard-to-remove material, use a small amount of glass cleaner and a soft cloth to remove it. Wipe off all remaining liquid.

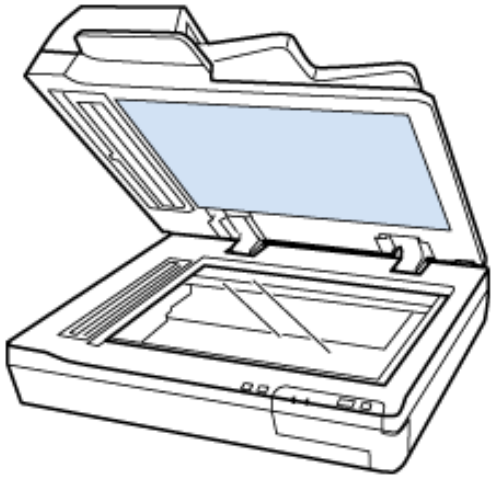
   Make sure that dust does not build up on the glass surface. Dust can cause spots and straight lines in your scanned images.



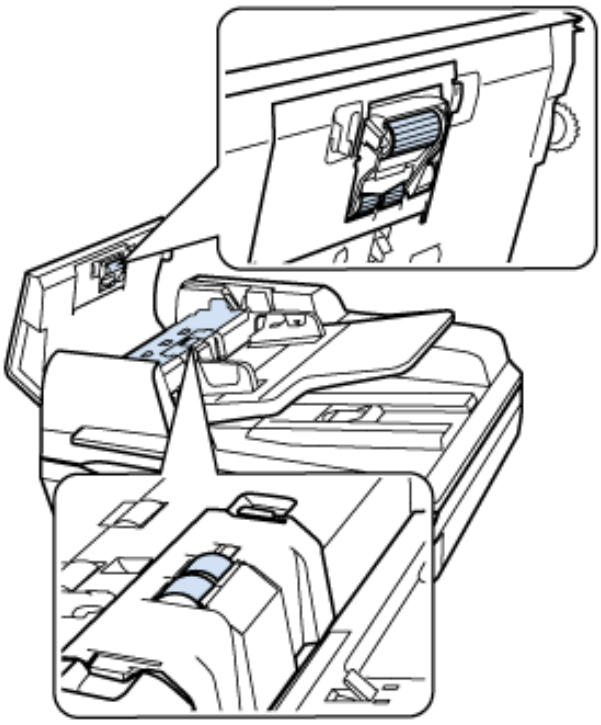
Important:

Do not spray glass cleaner directly on the glass surface.

5 Clean the document cover if it gets dirty.



6 Open the Automatic Document Feeder (ADF) cover and use a soft, dry, clean cloth to clean the roller and the interior of the ADF.



Important:

Do not touch the part shown in the illustration below.

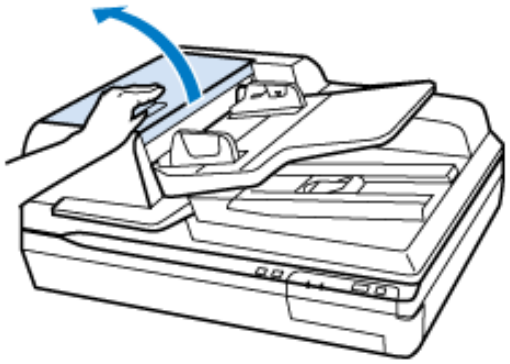
Replacing the Roller Assembly Kit

You need to replace the parts on the Roller Assembly Kit after scanning every 100,000 pages.

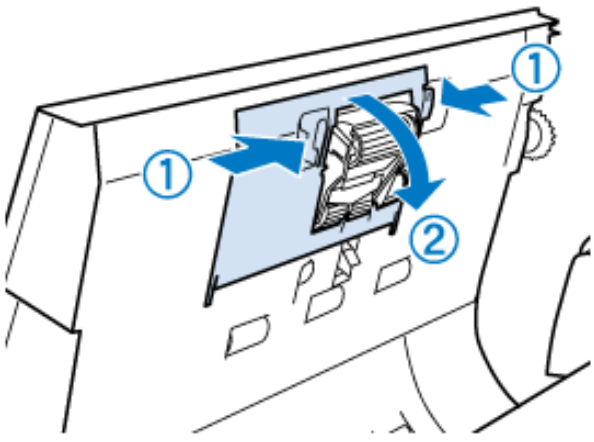
Removal part	Part number	Number of scanning
Roller Assembly Kit	B12B813501	100,000

To replace the Roller Assembly Kit, follow the steps below.

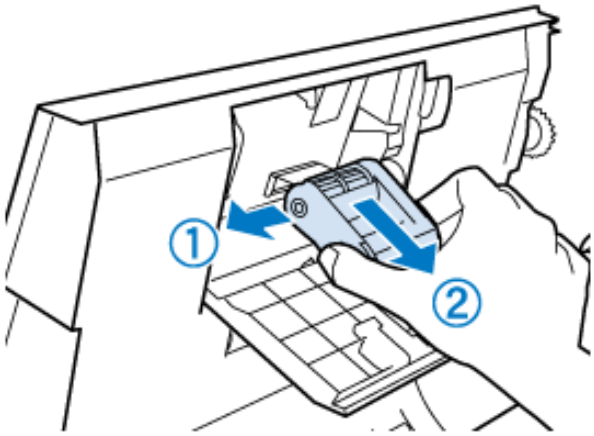
1. Turn off the scanner.
2. Remove all paper from the input tray.
3. Unplug the power cord from the product.
4. Open the Automatic Document Feeder (ADF) cover.



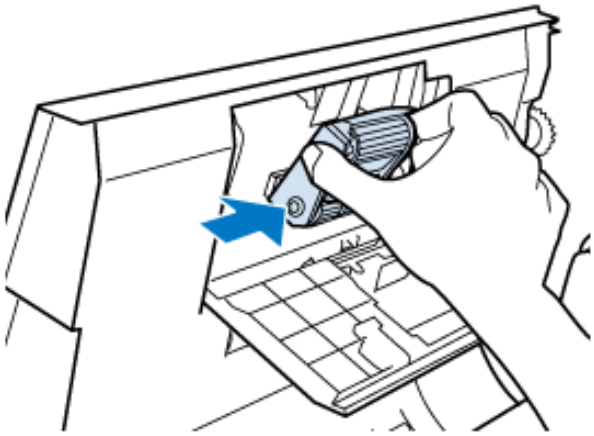
5. Press the hook on both sides of the pickup roller cover, then open the cover.



6 Slide and remove the installed pickup roller.



7 Attach the new pickup roller to the correct position.

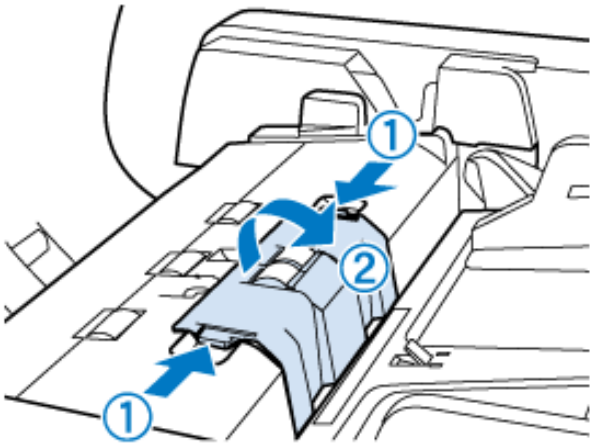


Important:

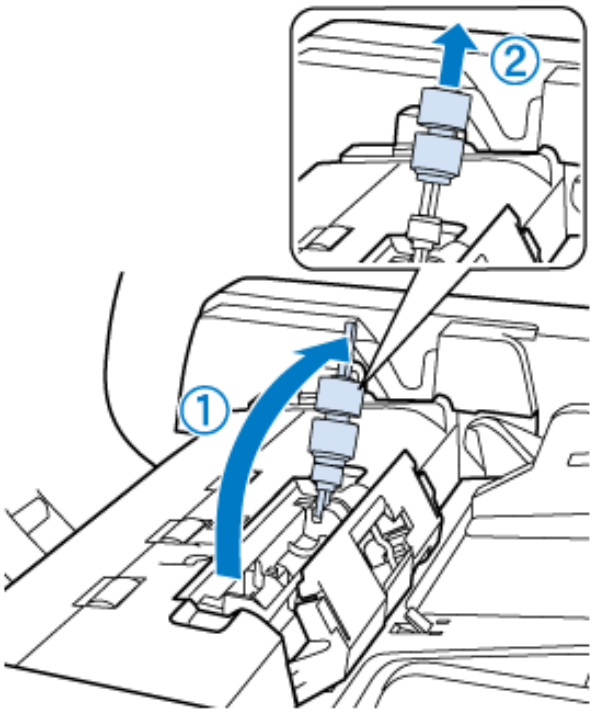
Do not touch the surface of the roller.

8 Close the pickup roller cover.

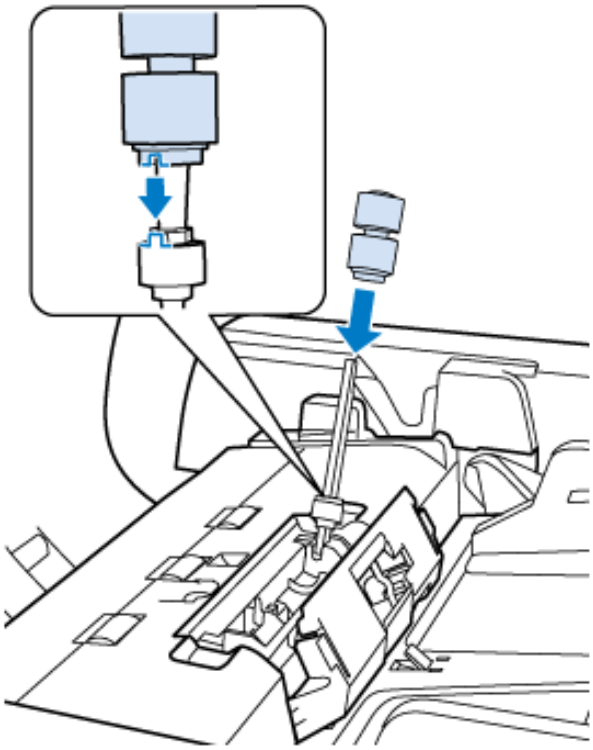
9 Press in the hooks on both sides of the separation roller cover, and then open the cover.



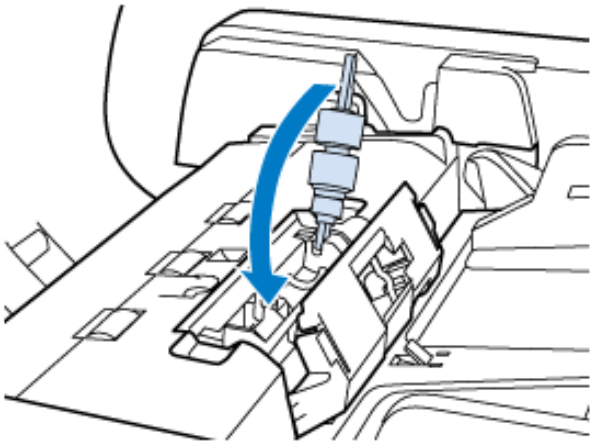
10 Grip the shaft of the separation roller, lift it up, and then remove the separation roller.



11 Attach the new separation roller to the correct position.



12 Press the shaft of the separation roller down until you hear it click into place.



13 Close the separation roller cover.

14 Close the ADF cover.

15 Plug the power cord, and then turn on the scanner.

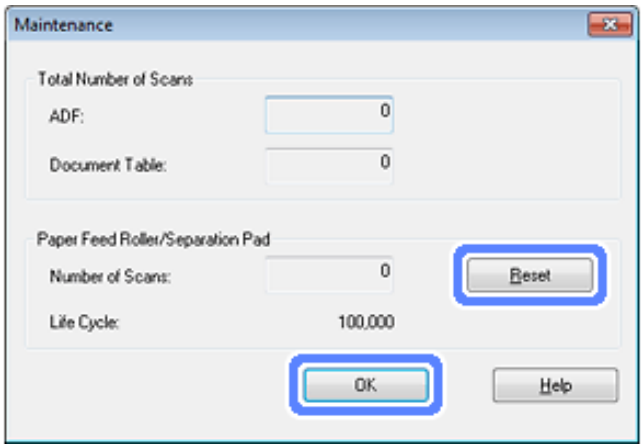
16 Start Epson Scan Settings.

Windows:
Start > **All Programs** or **Programs** > **EPSON** > **EPSON Scan** > **Epson Scan Settings**

Mac OS X:
Select **Applications** > **EPSON Software** > **EPSON Scan Settings**.

17 Click **Maintenance**.

18 Click **Reset**, and then click **OK**.



Important:

Make sure you reset the counter after replacing the Roller Assembly Kit.

Power Off Timer Setting

The product turns off automatically if no operations are performed for the selected period. You can adjust the time before power management is applied, if your scanner is connected to your computer using a USB connection. Any increase will affect the product's energy efficiency. Please consider the environment before making any change.

Follow the steps below to adjust the time.

1. Start Epson Scan Settings.

   Windows:
   Start > **All Programs** or **Programs** > **EPSON** > **EPSON Scan** > **EPSON Scan Settings**

   Mac OS X:
   Select **Applications** > **EPSON Software** > **EPSON Scan Settings**.

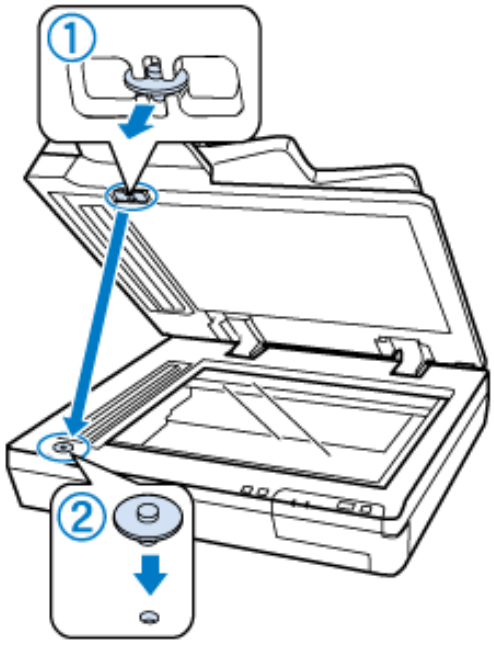
2. Click **Power Off Timer**.

3. Set the Power Off Timer, and then click **OK**.

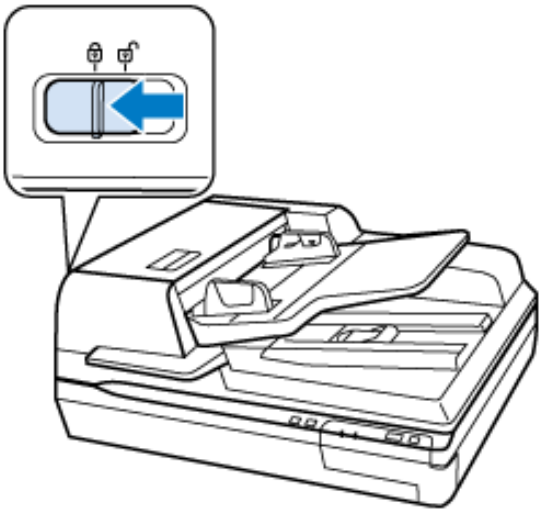
Transporting the Product

Before you transport the product for a long distance or store it for an extended period of time, you need to lock the carriage to prevent damage.

1. Make sure the carriage is in the home position on the left side of the product. If the carriage is not in the home position, turn on the product and wait until the carriage moves to the home position.
2. Turn off the product, then unplug the power cord.
3. Disconnect the USB cable from the product.
4. Return the protective material to the position shown in the following illustration.



5. Slide the transportation lock lever on the left of the scanner to the locked position to secure the scanner carriage.



6 Attach the packing materials that came with the product, then repack the product in its original box or a similar box that fits the product snugly.

Problems Indicated by Messages on the LCD Panel or Status Lights

- Make sure the product is connected to your computer properly.
- Turn off the product and turn it on again. If the problem is not solved, the product may be malfunctioning, or the light source in the scanner unit may need to be replaced. Contact Epson for support.
- Make sure the transportation lock has been released.
- Contact Epson for support if you cannot clear the error.

Problems When Starting a Scan

Using the Automatic Document Feeder (ADF)
Using the button
Using the Network Interface Panel
Using scanning software other than Epson Scan driver

- Make sure the scanning software is fully installed.
  See the *Start Here* sheet for instructions on installing the scanning software.
- Check the status light and make sure the product is ready to scan.
- Make sure your cables are securely connected to the product and to a working electrical outlet.
- Check that the electrical outlet is working. Plug another device into the electrical outlet and check that you can turn the power on.
- Turn off the product and computer, and then check the interface cable connection between them to make sure it is secure.
- Make sure you select the correct product if a scanner list appears when starting to scan.
- Connect the product directly to the computer's external USB port or through one USB hub only. The product may not work properly when connected to the computer through more than one USB hub. If the problem persists, try connecting the product directly to the computer.
- If more than one product is connected to your computer it may not work. Connect only the product you want to use, and then try scanning again.
- If the scanning software does not work properly, uninstall the software and then reinstall it as described on the *Start Here* sheet.

  Uninstalling Your Software
- If the Network Interface Panel is installed, you cannot scan from a computer connected by a USB cable.
- If the light source has reached the end of its service life, it must be replaced by a professional. For details, contact Epson for support.

  EPSON Technical Support
- Mac OS X
  For Macintosh computers with Intel CPUs, the scanner driver you are using may not operate correctly if other incompatible Epson scanner drivers are installed. Remove the other drivers, and then install the scanner driver you want to use.

Using the Automatic Document Feeder (ADF)

- If the Automatic Document Feeder (ADF) or ADF cover is open, close it and try scanning again.
- Make sure you have selected either **Office Mode** or **Professional Mode** in Epson Scan.

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Using the button

Depending on the product, the scanning function may not be available when using the button.

- Check if you have assigned a program to the button.

Assigning a Specified Scanning Setting to a Program

- Check that compatible scanning software is installed.

  Checking the software installed on your computer

- Windows:
  If you have clicked the **Keep Blocking** button in the Windows Security Alert window during or after installation of the Epson Software, unblock Epson Event Manager.

  How to unblock Epson Event Manager

- Mac OS X:
  Make sure you are logged on as the user who installed the scanning software. Other users must first start Epson Scanner Monitor in the Applications folder and then press a button to scan.

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Using the Network Interface Panel

- Check that the Network Interface Panel is installed correctly.

  See the Network Interface Panel User's Guide for more details.

- Check that the network cable is connected securely.

  See the Network Interface Panel User's Guide for more details.

- Check that the network cable is working correctly by connecting it to other products.
- Check that the scanning software has been installed correctly.

  Checking and Installing Your Software

- Check that the scanner used with the scanning software has been selected.

  See the help came with each software for more details.

- Check that Epson Scan Settings have been set correctly.

  Setting Up Client Computers with Epson Scan Settings

- Check that Network Scanning Settings from Document Capture Pro/Epson Event Manager have been set correctly.

  See the help came with each software for more details.

- In Network Scanning Settings, check that the Group settings for Document Capture Pro are the same as the settings for Network Interface Panel.

  See the Document Capture Pro help for more details.

  See the Network Interface Panel User's Guide for more details.

- Check that Epson Event Manager (or Document Capture Pro) is not being blocked by a Firewall.

  How to unblock Epson Event Manager

- Check that the IP address for the scanner being used is set correctly.

  Setting Up Client Computers with Epson Scan Settings

How to unblock Epson Event Manager

1. Click **Start** or the start button, and then point to **Control Panel**.
2. Display the Firewall settings window.

- Windows 7:
  Select **System and Security**.
  Select **Allow a program through Windows Firewall**.

- Windows Vista:
  Select **Security**.
  Select **Allow a program through Windows Firewall**.
- Windows XP:
  Select **Security Center**.
  Select **Windows Firewall**.

3. Select **EEventManager Application** from the list.

- Windows 7:
  Confirm that the check box for **EEventManager Application** is selected in the Allowed programs and features list.
- Windows Vista:
  Click the **Exceptions** tab, and then confirm that the check box for **EEventManager Application** is selected in the Program or port list.
- Windows XP:
  Click the **Exceptions** tab, and then confirm that the check box for **EEventManager Application** is selected in the Programs and Services list.

4. Click **OK**.

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Using scanning software other than Epson Scan driver

- If you are using any TWAIN-compliant programs, such as Adobe Photoshop Elements, make sure that the correct product is selected as the Scanner or Source setting.
- If you cannot scan using any TWAIN-compliant scanning programs, such as Adobe Photoshop Elements, uninstall the TWAIN-compliant scanning program and then reinstall it.

  Uninstalling Your Software

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Problems When Feeding Paper (For Automatic Document Feeder)

The paper gets dirty
Multiple sheets of paper are fed
The paper jams in the Automatic Document Feeder (ADF)

The paper gets dirty

Clean the interior of the product.

Cleaning the Product

Top

Multiple sheets of paper are fed

- If you load unsupported paper, the product may feed more than one sheet of paper at a time.

  Document specifications
- Clean the product.

  Cleaning the Product

  Replacing the Roller Assembly Kit

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The paper jams in the Automatic Document Feeder (ADF)

If paper jams inside the ADF, open the ADF and remove any paper from the document glass. Then look to see if paper is extending from either end of the feeder.

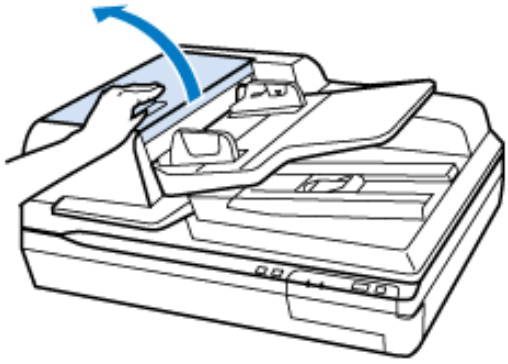
To clear the jammed paper, follow these steps.

Note:

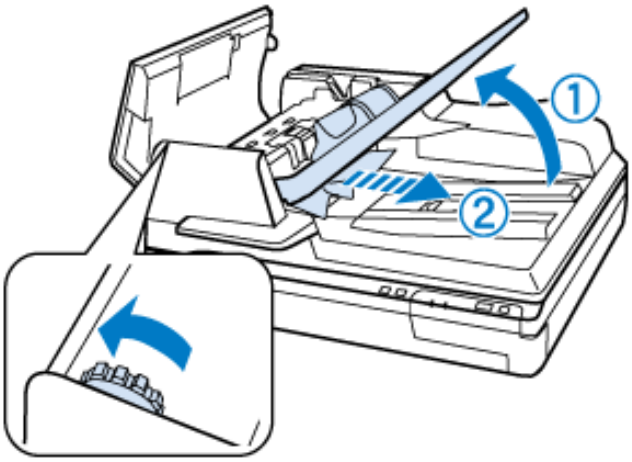
Remove any pages remaining at either end of the ADF.

1. Turn off the product.
2. If the ADF is open, close it.

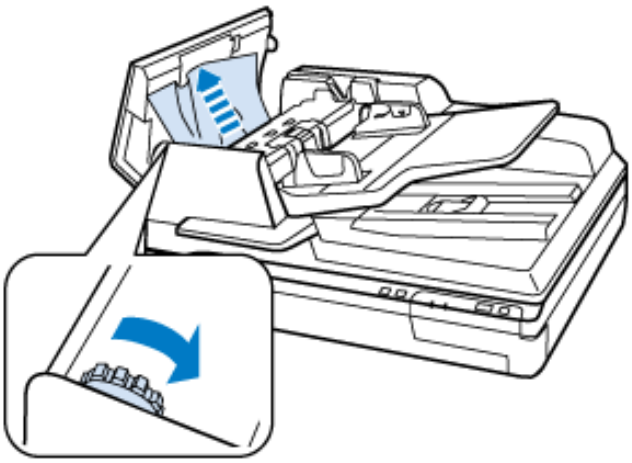
3 Open the ADF cover.



4 Lift the ADF input tray and slowly turn the dial to remove the jammed paper.



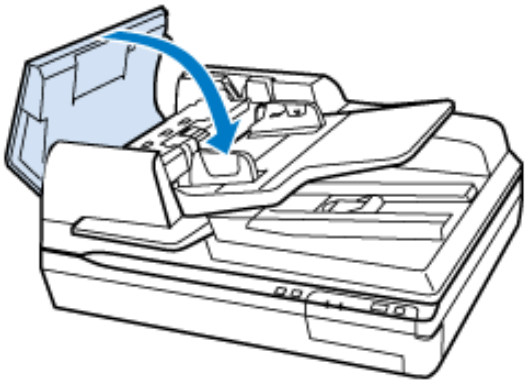
5 If most of the paper has been ejected to the ADF input tray, remove the jammed paper while turning the dial.



Important:

Remove the paper carefully. If the paper is removed with too much force, the documents or the product could be damaged.

6 After you have removed the paper, close the ADF cover.



Note:

- If you load unsupported papers, the product may feed more than one sheet of paper at a time.
  Document specifications
- You may need to clean the interior of the product.
  Cleaning the Product

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Problems With Scanning Time

- Computers with Hi-Speed external USB ports can scan faster than those with external USB ports. If you are using a Hi-Speed external USB port with your product, make sure it meets the system requirements.

  System Requirements

- Scanning at a high resolution takes a long time.

Problems With Scanned Images

Scan quality is unsatisfactory
The scanning area or direction is unsatisfactory

Scan quality is unsatisfactory

Scan quality can be improved by changing the current settings or adjusting the scanned image.

Adjusting the Scanned Image

An image on the back of your original appears in your scanned image

When scanning thin paper, images on the back may be visible to the product and appear in your scanned image.

- When scanning from the document glass, try scanning the original with a piece of black paper placed on the back of it. Also make sure the Document Type and Image Type settings are correct for your original.
- Select **Text Enhancement** as the image quality setting from the scanning software.

Characters are blurred

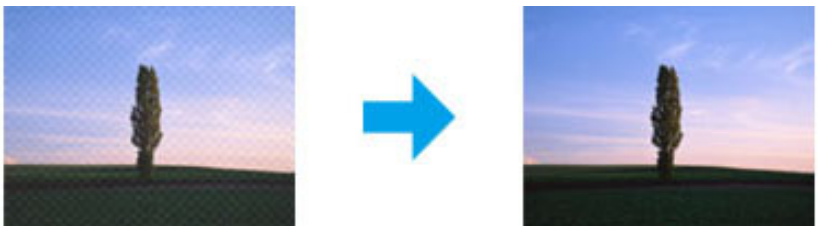
- Select **Text Enhancement** as the image quality setting from the scanning software.
- When the Image Type is Black&White, select **Threshold** setting as the image quality setting from the scanning software.
- Increase the resolution setting.

Characters are not recognized when converted into editable text (OCR)

Place the document so that it is straight on the document glass. If the document is skewed, it may not be recognized correctly.

Ripple patterns appear in your scanned image

A ripple or cross-hatch pattern (known as moiré) may appear in a scanned image of a printed document.



- Reposition your original document.

- Select **Descreening** as the image quality setting.
- Try changing the **Resolution** setting.

Uneven color, smears, dots, or straight lines appear in your image

Clean the product.

Cleaning the Product

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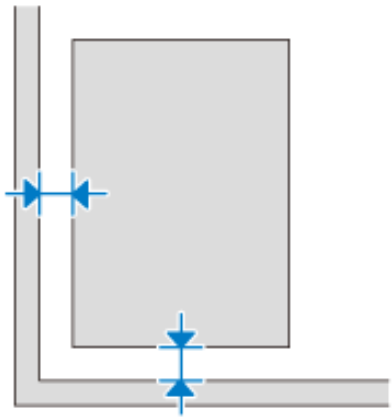
The scanning area or direction is unsatisfactory

The edges of your original are not scanned

Move the document or photo more than 3 mm (0.12 inch) away from the horizontal and vertical edges of the document glass to avoid cropping.



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Problems Remain After Trying All Solutions

If you have tried all the solutions and have not solved the problem, reset the Epson Scan settings.

Start Epson Scan, click **Configuration**, select the **Other** tab, and then click **Reset All**.

EPSON Technical Support

Internet Support

Visit Epson's support website at www.epson.com/support (U.S.) or www.epson.ca/support (Canada) and select your product for solutions to common problems. You can download drivers and documentation, get FAQs and troubleshooting advice, or e-mail Epson with your questions.

Speak to a Support Representative

Before you call Epson for support, please have the following information ready:

- Product name
- Product serial number (located on a label on the product)
- Proof of purchase (such as a store receipt) and date of purchase
- Computer configuration
- Description of the problem

To speak to a representative, call (562) 276-4382 (U.S.) or (905) 709-3839 (Canada) from 6 AM to 8 PM, Pacific Time, Monday through Friday, and 7 AM to 4 PM, Pacific Time, Saturday.

Days and hours of support are subject to change without notice. Toll or long distance charges may apply.

Note:

For help using any other software on your system, see the documentation for that software or Other Software Technical Support.

Purchase Supplies and Accessories

You can purchase genuine EPSON accessories from an EPSON authorized reseller. To find the nearest reseller, call 800-GO-EPSON (800-463-7766). Or you can purchase online at www.epsonstore.com (U.S. sales) or www.epson.ca (Canadian sales).

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ABBYY FineReader

(408) 457-9777

www.abbyy.com

support@abbyyusa.com

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System Requirements

For Windows
For Mac OS X

Make sure your system meets the requirements in these sections before using it with your product.

For Windows

System	Microsoft Windows 7, Windows Vista, Windows XP Home Edition, Windows XP Professional Edition, Windows XP Professional x64 Edition
Interface	external USB port (Type A) built into the main board
Display	Color monitor with 800 x 600 screen resolution or higher, and 24-bit (Full Color) color (Color and tone reproduction are subject to the display capability of your computer system, including the video card, display monitor, and software. See your system documentation for details.)

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For Mac OS X

System	Mac OS X v10.5.x, 10.6.x, 10.7.x, or 10.8.x. Fast User Switching on Mac OS X is not supported.
Interface	Macintosh USB
Display	Color monitor with 800 x 600 screen resolution or higher, and millions of colors (Color and tone reproduction are subject to the display capability of your computer system, including the video card, display monitor, and software. See your system documentation for details.)

Note:

Epson Scan does not support the UNIX File System (UFS) for Mac OS X. You must install Epson Scan on a disk or in a partition that does not use UFS.

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Product Specifications

- General
- Mechanical
- Electrical
- Environmental
- Interfaces
- Standards and approvals

Note:

Specifications are subject to change without notice.

General

Scanner type	Flatbed color
Photoelectric device	Color CCD line sensor
Effective pixels	7,020 x 10,200 pixels at 600 dpi
Document size	297 x 432 mm (A3 or 11 x 17 inches size)
ADF paper input	Face-up loading
ADF paper output	Face-down ejection
ADF paper capacity	200 sheets of paper at 80 g/m^2
Scanning resolution	600 dpi (main scan) 600 dpi with Micro Step (sub scan)
Output resolution	50 to 4800 dpi, 7200 dpi, 9600 dpi
Image data	16 bits per pixel per color internal 1 to 8 bits per pixel per color external
Interface	One Hi-speed USB port
Light source	White LED

Note:

Optional optical resolution is the maximum scan resolution of the CCD elements, using the definition of ISO 14473. ISO 14473 defines optical resolution as the fundamental sampling rate of the scan sensor.

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Mechanical

Dimensions	Width: 640.0 mm (25.2 inches) Depth (standard): 468.0 mm (18.4 inches) Depth (with ADF): 522.0 mm (20.7 inches) Height (standard): 156.0 mm (5.5 inches) Height (with ADF): 289.0 mm (11.3 inches)
Weight	Standard: Approx. 14.8 kg (33.0 lb) With ADF: Approx. 26.9 kg (57.3 lb)

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Electrical

Rated input current	1.2 A
Rated input voltage	AC 100 to 240 V
Rated input frequency	50 to 60 Hz
Power consumption	Approx. 25.5 W Operating (Standard model) Approx. 79.0 W Operating (ADF model) Approx. 9.5 W Ready Mode (Standard model) Approx. 12.5 W Ready Mode (ADF model) Approx. 1.5 W Sleep Mode 0.5 W Power off

Note:

Power consumption varies depending on operating conditions and whether an option is installed.

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Environmental

Temperature	Operating	5 to 35 ˚C (41 to 95 ˚F)
	Storage	–25 to 60 ˚C (–13 to 140 ˚F)
Humidity	Operating	10 to 80%, without condensation
	Storage	10 to 85%, without condensation
Operating conditions		Ordinary office or home conditions. Avoid operating the product in direct sunlight, near a strong light source, or in extremely dusty conditions.

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Interfaces

USB Interface

Interface type	Universal Serial Bus Specification Revision 2.0
Electrical standard	Full Speed mode (12 Mbits per second) and Hi-Speed mode (480 Mbits per second) of Universal Serial Bus Specification Revision 2.0.
Connector type	One Type B port

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Standards and approvals

U.S. model:

Safety	UL60950-1 CAN/CSA-C22.2 No. 60950-1
EMC	FCC Part 15 Subpart B Class B CAN/CSA-CEI/IEC CISPR22 Class B

European model:

Low Voltage Directive 2006/95/EC	EN 60950-1
EMC Directive 2004/108/EC	EN 55022 Class B EN 55024 EN 61000-3-2 EN 61000-3-3

Australian model:

EMC	AS/NZS CISPR22 Class B

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